

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 9

Complete if Known

Application Number	To be assigned
Filing Date	August 22, 2003
First Named Inventor	Havenga et al.
Group Art Unit	1636 (presumed)
Examiner Name	Maria Marvich, Ph.D. (presumed)
Attorney Docket Number	2578-4489.IUS

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
mm		US- 4,487,829	12/11/1984	Sharp et al.	
		US- 4,517,686	05/21/1985	Ruoslahti et al.	
		US- 4,578,079	03/25/1986	Ruoslahti et al.	
		US- 4,589,881	05/20/1986	Pierschbacher et al.	
		US- 4,593,002	06/03/1986	Dulbecco	
		US- 4,792,525	12/20/1988	Ruoslahti et al.	
		US- 4,797,368	01/10/1989	Carter et al.	
		US- 4,956,281	09/11/1990	Wallner et al.	
		US- 5,024,939	06/18/1991	Gorman	
		US- 5,096,815	03/17/1992	Ladner et al.	
		US- 5,166,320	11/24/1992	Wu et al.	
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		US- 5,240,846	08/31/1993	Collins et al.	
		US- 5,246,921	09/21/1993	Reddy et al.	
		US- 5,332,567	07/26/1994	Goldenberg	
		US- 5,349,053	09/20/1994	Landolfi	
		US- 5,403,484	04/04/1995	Ladner et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
mm		259212	03/09/1988	EP		
		2078631	03/19/1990	JP		
		WO 91/00360	01/10/1991	PCT		
		WO 91/05805	05/02/1991	PCT		
		WO 91/05871	05/02/1991	PCT		
		WO 92/02553	02/20/1992	PCT		
		WO 92/13081	08/06/1992	PCT		
		WO 93/03769	03/04/1993	PCT		
		WO 93/06223	04/01/1993	PCT		

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mm		US-5,436,146	07/25/1995	Shenk et al.	
		US- 5,443,953	08/22/1995	Hansen et al.	
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		US- 6,127,525	10/03/2000	Crystal et al.	
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mm		WO 93/07282	04/15/1993	PCT		
		WO 93/07283	04/15/1993	PCT		
		WO 94/08026	04/14/1994	PCT		
		WO 94/10323	05/11/1994	PCT		
		WO 94/11506	05/26/1994	PCT		
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		WO 94/17832	08/14/1994	PCT		
		WO 94/24299	10/27/1994	PCT		
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mm		WO	95/05201	02/23/1995	PCT		
		WO	95/06745	03/09/1995	PCT		
		WO	95/14785	06/01/1995	PCT		
		WO	95/16037	06/15/1995	PCT		
		WO	95/21259	08/10/1995	PCT		
		WO	95/26412	10/05/1995	PCT		
		WO	95/27071	10/12/1995	PCT		
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		WO	96/10087	04/04/1996	PCT		
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		WO	96/17073	06/06/1996	PCT		
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		WO	96/26281	08/29/1996	Wickham et al.	PCT	
		WO	97/00326	01/03/1997	PCT		
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		WO	98/07865	02/26/1998	PCT		
		WO	98/11221	03/19/1998	PCT		
		WO	98/13499	04/02/1998	PCT		
		WO	98/22609	05/28/1998	PCT		
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		WO	98/50053 A1	11/12/1998	Genzigna Mario	PCT	
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		WO	00/31285 A1	06/02/2000	Integene B.V.	PCT	
		WO	00/52186 A1	09/08/2000	Bout Abraham	PCT	
		WO	00/70071 A1	11/23/2000	Bout Abraham	PCT	
		WO	02/24730 A2	03/28/2002	Crucell-Holland B.V.	PCT	

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		Attorney Docket Number	2578-4489.1US
Sheet	4	of	9

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mm		ALBIGES-RIZO et al., "Human Adenovirus Serotype 3 Fiber Protein," Journal of Biological Chemistry, 266(6), 3961-3967 (1991).	
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Examiner Signature	mm	Date Considered	6/19/04
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Group Art Unit

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Examiner Name

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mm		COTTEN et al., "Transferrin-polycation-mediated introduction of DNA into human leukemic cells: Stimulation by agents that affect the survival of transfected DNA or modulate transferrin receptor levels," Proc. Natl. Acad. Sci. USA, 87, 4033-4037 (1990).	
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	To be assigned
		Filing Date	August 22, 2003
		First Named Inventor	Havenga et al.
		Group Art Unit	1636 (presumed)
		Examiner Name	Maria Marvich, Ph.D. (presumed)
		Attorney Docket Number	2578-4489.1US
Sheet	8	of	9

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
mm		NOVELLI et al., "Deletion Analysis of Functional Domains in Baculovirus-Expressed Adenovirus Type 2 Fiber," Virology, 185, 365-376 (1991).	
mm		ORKIN et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy," (1995), file:///F:/NIHrec.htm 1/4/01 1:37 pm.	
mm		PETERANDERL et al., "Trimerization of the Heat Shock Transcription Factor by a Triple-Stranded α -Helical Coiled-Coil," Biochemistry, 31, 12272-12276 (1992).	
mm		PRING-ÅKERBLUM et al., "Sequence Characterization and Comparison of Human Adenovirus Subgenus B and E Hexons," Virology, 212, 232-236 (1995).	
mm		ROBERTS et al., "Three-Dimensional Structure of the Adenovirus Major Coat Protein Hexon," Science, 232, 1148-51 (1986).	
mm		RUSSELL et al., "Retroviral vectors displaying functional antibody fragments," Nucleic Acids Research, 21(5), 1081-1085 (1993).	
mm		SIGNÅS et al., "Adenovirus 3 Fiber Polypeptide Gene: Implications for the Structure of the Fiber Protein," Journal of Virology, 53(2), 672-678 (1985).	
mm		SILVER et al., "Interaction of Human Adenovirus Serotype 2 with Human Lymphoid Cells," Virology, 165, 377-387 (1988).	
mm		STEVENSON et al., "Selective targeting of human cells by a chimeric adenovirus vector containing a modified fiber protein," 71(6) Journal of Virology, 4782-90 (1997).	
mm		STEWART et al., "Difference imaging of adenovirus: bridging the resolution gap between X-ray crystallography and electron microscopy," EMBO Journal, 12(7), 2589-2599 (1993).	
mm		VERMA et al., "Gene Therapy - promises, problems and prospects," Nature, 389, 239-42 (1997).	
mm		WADELL, G., "Molecular Epidemiology of Human Adenoviruses," Curr. Top. Microbiol. Immunol., 110, 191-220 (1984).	

Examiner Signature	<i>M Marvich</i>	Date Considered	8/19/04
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mm		WAGNER et al., "Coupling of adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes," Proc. Natl. Acad. Sci. USA, 89, 6099-6103 (1992).	
mm		WATSON et al., "An Antigenic Analysis of the Adenovirus Type 2 Fibre Polypeptide," Journal of Virology, 69, 525-535 (1988).	
mm		WICKHAM et al., "Integrins $\alpha_5\beta_1$ and $\alpha_3\beta_1$ Promote Adenovirus Internalization but Not Virus Attachment," Cell, 73, 309-319 (1993).	
mm		WICKHAM et al., "Integrin $\alpha v\beta 5$ Selectively Promotes Adenovirus Mediated Cell Membrane Permeabilization," Journal of Cell Biology, 127(1), 257-264 (1994).	
mm		International Search Report, International Application No. PCT/EP01/10999, dated March 26, 2002 (6 pages).	
mm		PCT International Preliminary Examination Report, PCT/EP01/10999, dated September 23, 2002, 11 pages.	

Examiner Signature	mm Marvich	Date Considered	8/19/02
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